

050
BIOTECHNOLOGY
SYSTEMS
BRANCH

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/513,999B
Source: O1PE
Date Processed by STIC: 7/2/2002

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FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

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Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
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Revised 01/29/2002



OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/513,999B

DATE: 07/02/2002
TIME: 13:17:21

Input Set : F:\Seqlist.txt
Output Set: N:\CRF3\07022002\I513999B.raw

45 Does Not Comply
P:2 Corrected Diskette Needed

3 <110> APPLICANT: Dumas Milne Edwards, J.B.
4 Duclert, A.
5 Giordano, J.Y.
7 <120> TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
9 <130> FILE REFERENCE: 59.US2.REG
11 <140> CURRENT APPLICATION NUMBER: US 09/513,999B
C--> 12 <141> CURRENT FILING DATE: 2002-06-13
14 <150> PRIOR APPLICATION NUMBER: US 60/122,487
15 <151> PRIOR FILING DATE: 1999-02-26
17 <160> NUMBER OF SEQ ID NOS: 36681
19 <170> SOFTWARE: Patent.pm
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 822
23 <212> TYPE: DNA
24 <213> ORGANISM: Homo Sapiens
26 <220> FEATURE:
27 <221> NAME/KEY: CDS
28 <222> LOCATION: 346..552
30 <221> NAME/KEY: sig_peptide
31 <222> LOCATION: 346..408
32 <223> OTHER INFORMATION: Von Heijne matrix
35 <220> FEATURE:
36 <221> NAME/KEY: misc_feature /
37 <222> LOCATION: 113
38 <223> OTHER INFORMATION: s=g or c
40 <220> FEATURE:
41 <221> NAME/KEY: misc_feature
42 <222> LOCATION: 115
43 <223> OTHER INFORMATION: n=a, g, c or t
45 <220> FEATURE:
46 <221> NAME/KEY: misc_feature
47 <222> LOCATION: 499
48 <223> OTHER INFORMATION: r=a or g
50 <220> FEATURE:
51 <221> NAME/KEY: misc_feature
52 <222> LOCATION: 566
53 <223> OTHER INFORMATION: r=a or g
55 <220> FEATURE:
56 <221> NAME/KEY: misc_feature
57 <222> LOCATION: 585
58 <223> OTHER INFORMATION: k=g or t
60 <220> FEATURE:
61 <221> NAME/KEY: misc_feature

RAW SEQUENCE LISTING
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DATE: 07/02/2002
TIME: 13:17:21

Input Set : F:\Seqlist.txt
Output Set: N:\CRF3\07022002\I513999B.raw

62 <222> LOCATION: 610
63 <223> OTHER INFORMATION: r=a or g
65 <220> FEATURE:
66 <221> NAME/KEY: misc_feature
67 <222> LOCATION: 699
68 <223> OTHER INFORMATION: r=a or g
70 <220> FEATURE:
71 <221> NAME/KEY: misc_feature
72 <222> LOCATION: 700
73 <223> OTHER INFORMATION: m=a or c
75 <220> FEATURE:
76 <221> NAME/KEY: misc_feature
77 <222> LOCATION: 782
78 <223> OTHER INFORMATION: w=a or t
80 <220> FEATURE:
81 <221> NAME/KEY: UNSURE
82 <222> LOCATION: 499 31 Xaa is at amino and location 31, not
83 <223> OTHER INFORMATION: Xaa=Glu or Lys
85 <400> 1
86 actccttta gcataggggc ttccgcgcga gccccagcg ctatcggtc tggtaagtgc 60
87 ctgatgccga gttccgtctc tcgcgtcttt tcctggtccc aggcaagcg gasgnagatc 120
88 ctcaaacggc ctatgtcttc gcgttccgg agaaaatcg cgtcttaatt aattcccttg 180
89 gtttggtaaa gcaatgttacca agaatcttca acccttccc accaaagcta attgagttaca 240
90 cgttccctgtt gagtacacgt tcctgttgat ttacaaaagg tgcaggtatg agcaggtctg 300
91 aagactaaca ttttgtgaag ttgtaaaaca gaaaacctgt tagaa atg tgg tgg ttt 357
92 Met Trp Trp Phe
93 -20
94 cag caa ggc ctc agt ttc ctt cct tca gcc ctt gta att tgg aca tct 405
95 Gln Gln Gly Leu Ser Phe Leu Pro Ser Ala Leu Val Ile Trp Thr Ser
96 -15 -10 -5
97 gct gct ttc ata ttt tca tac att act gca gta aca ctc cac cat ata 453
98 Ala Ala Phe Ile Phe Ser Tyr Ile Thr Ala Val Thr Leu His His Ile
99 1 5 10 15
100 gac ccg gct tta cct tat atc agt gac act ggt aca gta gct cca raa 501
W--> 101 Asp Pro Ala Leu Pro Tyr Ile Ser Asp Thr Gly Thr Val Ala Pro Xaa
102 20 25 30
103 aaa tgc tta ttt ggg gca atg cta aat att gcg gca gtt tta tgt caa 549
104 Lys Cys Leu Phe Gly Ala Met Leu Asn Ile Ala Ala Val Leu Cys Gln
105 35 40 45
106 aaa tagaaatcg gaarataatt caacttaaag aakttcattt catgacccaa 602
107 Lys
108 ctcttcaraa acatgtctt acaagcatat ctcttgatt gctttctaca ctgttgaatt 662
109 gcttggcaat atttctgcag tggaaaattt gatttarmta gttcttgact gataaatatg 722
110 gtaaggtggg ctttcccccc tttgttaattt gctactatgt cttaactgagc caagttgtaw 782
111 ttgtaaaataa aatgatatga gagtgacaca aaaaaaaaaaa 822
113 <210> SEQ ID NO: 2
114 <211> LENGTH: 21
115 <212> TYPE: PRT
116 <213> ORGANISM: Homo Sapiens

W--> 31 Xaa is at amino and location 31, not
nucleotide
location
499

RAW SEQUENCE LISTING DATE: 07/02/2002
PATENT APPLICATION: US/09/513,999B TIME: 13:17:21

Input Set : F:\Seqlist.txt
Output Set: N:\CRF3\07022002\I513999B.raw

118 <220> FEATURE:
119 <221> NAME/KEY: SIGNAL
120 <222> LOCATION: 1..21
121 <223> OTHER INFORMATION: Von Heijne matrix
122 score 5.5
123 seq SFLPSALVIWTSA/AF
126 <400> SEQUENCE: 2
127 Met Trp Trp Phe Gln Gln Gly Leu Ser Phe Leu Pro Ser Ala Leu Val
128 1 5 10 15
129 Ile Trp Thr Ser Ala
130 20
132 <210> SEQ ID NO: 3
133 <211> LENGTH: 526
134 <212> TYPE: DNA
135 <213> ORGANISM: Homo Sapiens
137 <220> FEATURE:
138 <221> NAME/KEY: CDS
139 <222> LOCATION: 90..344
141 <221> NAME/KEY: sig_peptide
142 <222> LOCATION: 90..140
143 <223> OTHER INFORMATION: Von Heijne matrix
146 <220> FEATURE:
147 <221> NAME/KEY: misc_feature
148 <222> LOCATION: 6
149 <223> OTHER INFORMATION: r=a or g
151 <220> FEATURE:
152 <221> NAME/KEY: misc_feature
153 <222> LOCATION: 8
154 <223> OTHER INFORMATION: r=a or g
156 <220> FEATURE:
157 <221> NAME/KEY: misc_feature
158 <222> LOCATION: 32
159 <223> OTHER INFORMATION: r=a or g
161 <220> FEATURE:
162 <221> NAME/KEY: misc_feature
163 <222> LOCATION: 80
164 <223> OTHER INFORMATION: r=a or g
166 <220> FEATURE:
167 <221> NAME/KEY: misc_feature
168 <222> LOCATION: 137
169 <223> OTHER INFORMATION: w=a or t
171 <220> FEATURE:
172 <221> NAME/KEY: misc_feature
173 <222> LOCATION: 209
174 <223> OTHER INFORMATION: r=a or g
176 <220> FEATURE:
177 <221> NAME/KEY: misc_feature
178 <222> LOCATION: 210
179 <223> OTHER INFORMATION: w=a or t

RAW SEQUENCE LISTING
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Input Set : F:\Seqlist.txt
Output Set: N:\CRF3\07022002\I513999B.raw

181 <220> FEATURE:
 182 <221> NAME/KEY: misc_feature
 183 <222> LOCATION: 290
 184 <223> OTHER INFORMATION: n=a, g, c or t
 186 <220> FEATURE:
 187 <221> NAME/KEY: misc_feature
 188 <222> LOCATION: 352
 189 <223> OTHER INFORMATION: r=a or g
 191 <220> FEATURE:
 192 <221> NAME/KEY: misc_feature
 193 <222> LOCATION: 366
 194 <223> OTHER INFORMATION: r=a or g
 196 <220> FEATURE:
 197 <221> NAME/KEY: misc_feature
 198 <222> LOCATION: 411
 199 <223> OTHER INFORMATION: r=a or g
 201 <220> FEATURE:
 202 <221> NAME/KEY: misc_feature
 203 <222> LOCATION: 435
 204 <223> OTHER INFORMATION: r=a or g
 206 <220> FEATURE:
 207 <221> NAME/KEY: UNSURE 24
 208 <222> LOCATION: 210
 209 <223> OTHER INFORMATION: Xaa=Phe or Ile
 211 <220> FEATURE:
 212 <221> NAME/KEY: UNSURE 50
 213 <222> LOCATION: 288
 214 <223> OTHER INFORMATION: Xaa=Lys or Asn
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 217 aatatrarac agctacaata ttccagggcc artcaattgc catttctcat aacagcgtca 60
 218 gagagaaaaga actgactgar acgttttag atg aag aaa gtt ctc ctc ctg atc 113
 219 Met Lys Lys Val Leu Leu Ile
 220 -15 -10
 221 aca gcc atc ttg gca gtg gct gtt ggt ttc cca gtc tct caa gac cag 161
 222 Thr Ala Ile Leu Ala Val Val Gly Phe Pro Val Ser Gln Asp Gln
 223 -5 1 5
 224 gaa cga gaa aaa aga agt atc agt gac agc gat gaa tta gct tca ggr 209
 225 Glu Arg Glu Lys Arg Ser Ile Ser Asp Ser Asp Glu Leu Ala Ser Gly
 226 10 15 20
 227 wtt ttt gtg ttc cct tac cca tat cca ttt cgc cca ctt cca cca att 257
 W--> 228 Xaa Phe Val Phe Pro Tyr Pro Tyr Pro Phe Arg Pro Leu Pro Pro Ile
 229 25 30 35
 W--> 230 cca ttt cca aga ttt cca tgg ttt aga cgt aat ttt cct att cca ata 305
 W--> 231 Pro Phe Pro Arg Phe Pro Trp Phe Arg Arg Xaa Phe Pro Ile Pro Ile
 232 40 45 50 55
 233 cct gaa tct gcc cct aca act ccc ctt cct agc gaa aag taaacaaraa 354
 234 Pro Glu Ser Ala Pro Thr Thr Pro Leu Pro Ser Glu Lys
 235 60 65
 236 ggaaaaagtca crataaacct ggtcacctga aattgaaatt gagccacttc cttgaaraat 414

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Input Set : F:\Seqlist.txt
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237 caaaaattcct gttataaaaa raaaaacaaa tgtaattgaa atagcacaca gcattctcta 474
238 gtcaatatct ttagtgatct tccttaataa acatgaaagc aaaaaaaaaa aa 526
240 <210> SEQ ID NO: 4
241 <211> LENGTH: 17
242 <212> TYPE: PRT
243 <213> ORGANISM: Homo Sapiens
245 <220> FEATURE:
246 <221> NAME/KEY: SIGNAL
247 <222> LOCATION: 1..17
248 <223> OTHER INFORMATION: Von Heijne matrix
249 score 8.2
250 seq LLLITAILAVAVG/FP
253 <400> SEQUENCE: 4
254 Met Lys Lys Val Leu Leu Leu Ile Thr Ala Ile Leu Ala Val Ala Val
255 1 5 10 15
256 Gly
258 <210> SEQ ID NO: 5
259 <211> LENGTH: 848
260 <212> TYPE: DNA
261 <213> ORGANISM: Homo Sapiens
263 <220> FEATURE:
264 <221> NAME/KEY: CDS
265 <222> LOCATION: 32..697
267 <221> NAME/KEY: sig_peptide
268 <222> LOCATION: 32..73
269 <223> OTHER INFORMATION: Von Heijne matrix
272 <220> FEATURE:
273 <221> NAME/KEY: misc_feature *insufficient*
274 <222> LOCATION: 540
275 <223> OTHER INFORMATION: d-not o *a or g or t*
277 <220> FEATURE:
278 <221> NAME/KEY: misc_feature
279 <222> LOCATION: 543
280 <223> OTHER INFORMATION: r=a or g
282 <220> FEATURE:
283 <221> NAME/KEY: misc_feature
284 <222> LOCATION: 581
285 <223> OTHER INFORMATION: r=a or g
287 <220> FEATURE:
288 <221> NAME/KEY: misc_feature
289 <222> LOCATION: 586
290 <223> OTHER INFORMATION: k=g or t
292 <220> FEATURE:
293 <221> NAME/KEY: misc_feature
294 <222> LOCATION: 725
295 <223> OTHER INFORMATION: r=a or g
297 <220> FEATURE:
298 <221> NAME/KEY: misc_feature
299 <222> LOCATION: 788

fyi R
Use of n and/or Xaa has been detected in the Sequence Listing.
Review the Sequence Listing to insure a corresponding
explanation is presented in the <220> to <223> fields of
each sequence using n or Xaa.